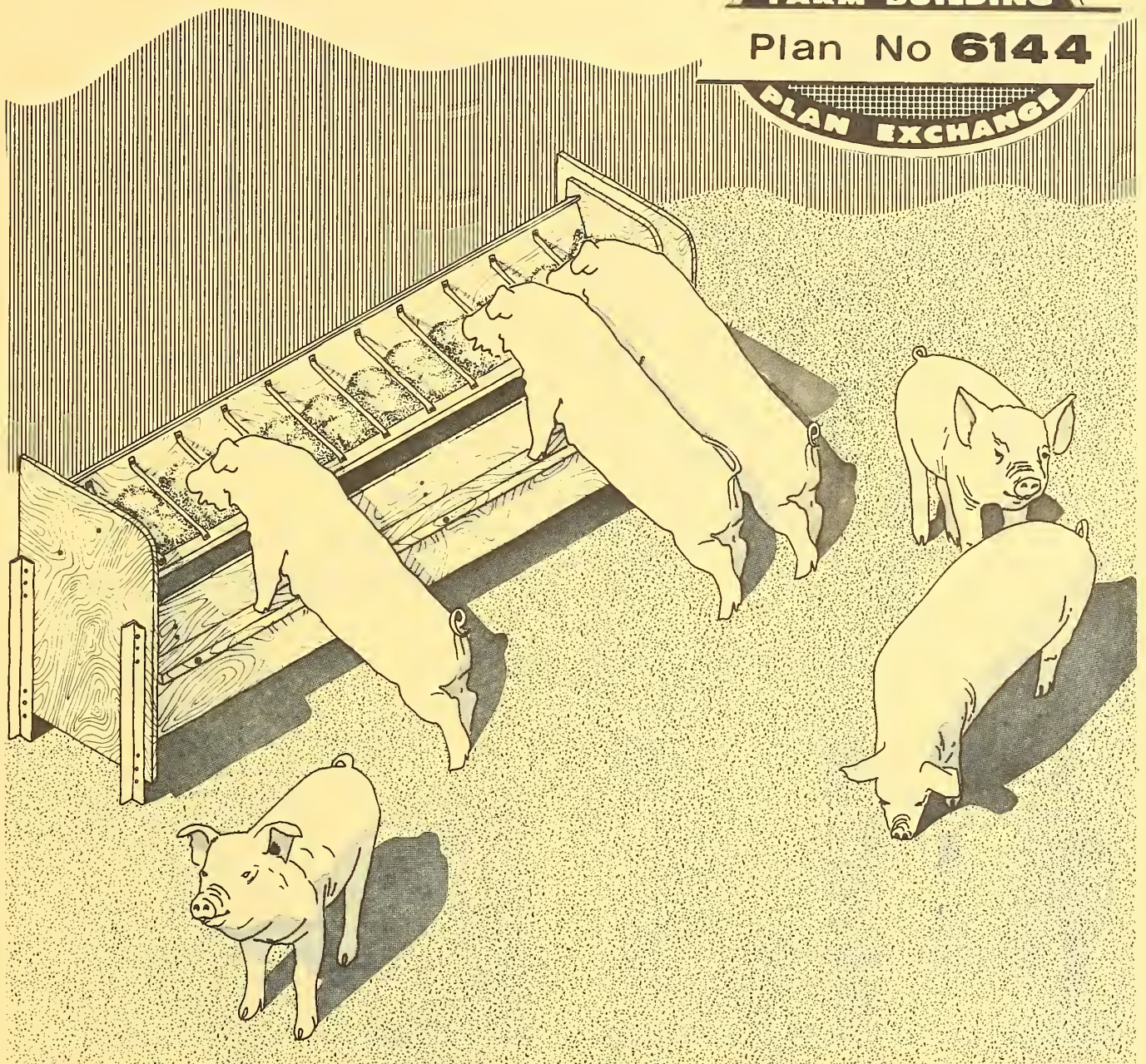


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984M
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HOG FEEDER



Effects on the carcass value of swine forced to eat while standing on their hind legs were studied in a recent environmental project at the University of California, Davis, Calif., in cooperation with the U.S. Department of Agriculture. Pigs were fed from elevated troughs to investigate the possibility that the departure from their normal eating position would exercise more of the higher priced muscles of the ham and possibly the loin.

Two troughs, similar to the 8-foot trough illustrated above, were constructed with the upper edge of the front lip of the feeding compartment about 38 inches

from the ground. Trough height could be changed by raising or lowering the pigs' feeding platform or raising the feeder up or down. The feeding compartment was so constructed that feed tended to stay along the front edge. The compartment could be rotated to change the height of the feeder, as well as the slope of the bottom of the compartment.

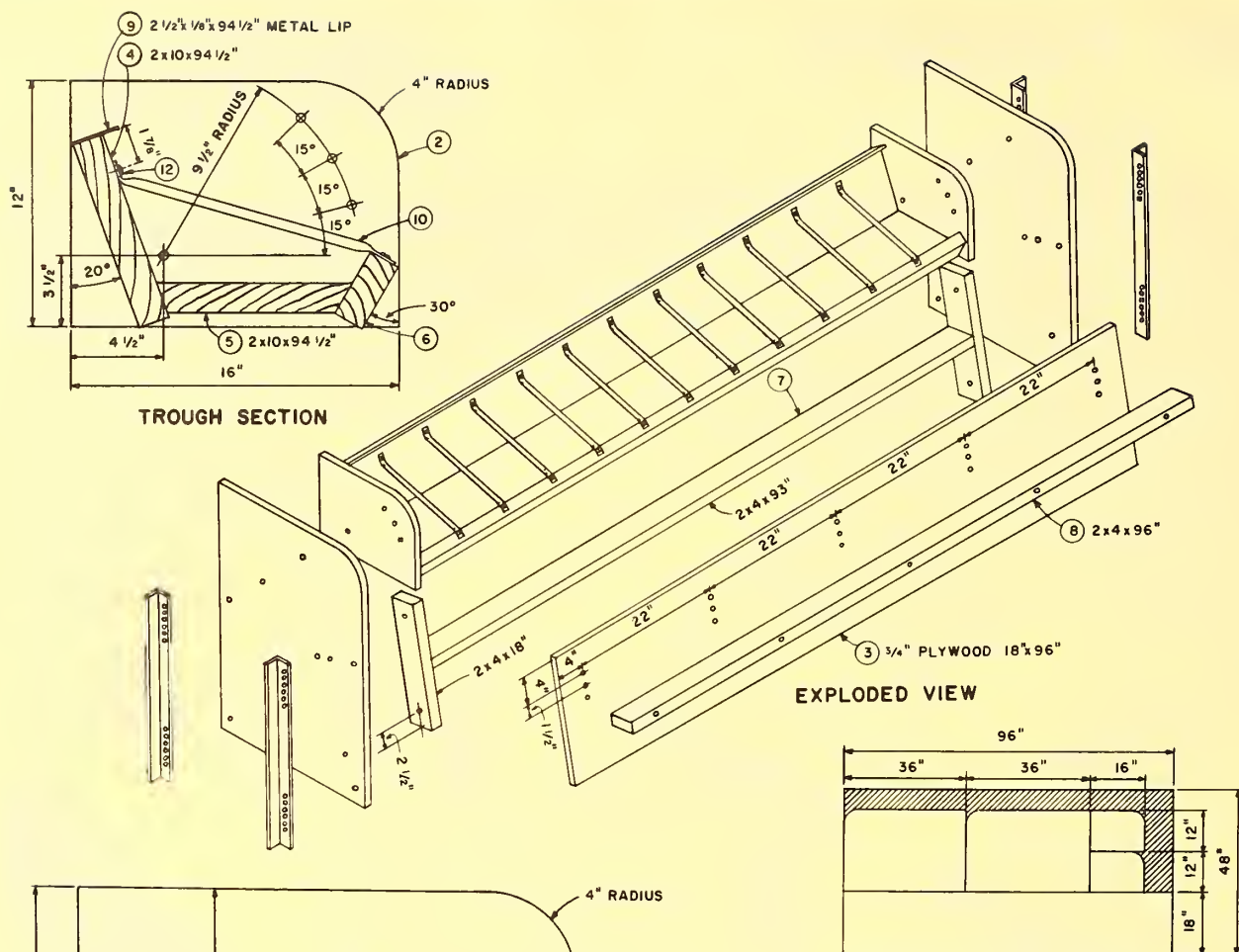
Forcing pigs to stand on their hind legs to feed may decrease their weight but may increase the percentage of ham, or ham and loin, according to these tests at Davis.

Washington, D.C.

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UNITED STATES DEPARTMENT OF AGRICULTURE

Miscellaneous Publication No. 1302



PLYWOOD CUTTING DIAGRAM

BILL OF MATERIAL

NO.	NAME	MAT.	QN.	STOCK LIST & NOTES
1	FEEDER END	WOOD	2	CUT FROM 4'-0" x 8'-0" SHEET, 1/4" B-C EXT-D FPA PLYWOOD
2	TROUGH END	"	2	
3	STEP PANEL	"	1	
4	TROUGH BACK	"	1	2 x 10 DF } 16'-0" REQ'D
5	TROUGH BOTTOM	"	1	2 x 10 DF }
6	TROUGH FRONT	"	1	2 x 4 DF } 27'-0" REQ'D
7	BRACE	"	1	2 x 4 DF }
8	STEP	"	1	2 x 4 DF }
9	LIP	STEEL	1	2 1/2" x 1/8" x 8'-0" LONG FLAT STOCK
10	SEPARATORS	ALUM	11	14'-0" 1/2" EMT CONDUIT
11	LEGS	STEEL	4	2 1/2" x 1/8" x 9'-0" LONG ANGLE IRON
12	#10 x 1" RD HD WOOD SCR		22	
	3/8" SQ HD. BOLTS		21	8-1 1/2", 4-2", 4-3", 5-5"
	3/8" SQ HD. NUTS		21	
	3/8" MED. FLAT WASHERS		34	

Complete working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6144, HOG FEEDER.

FEEDER END

AGRICULTURAL RESEARCH SERVICE

